AMENDMENT TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings of claims in the application:

LISTING OF CLAIMS:

1. (Currently Amended) A method for processing multiple structured images using an imaging input device with a smart platen so as to reduce bleeding of edges of multiple digital images arranged upon the smart platen by determining the boundaries of each of the multiple digital images, comprising:

arranging multiple objects upon the imaging input device with a smart platen for scanning;

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scanning the multiple objects with the imaging input device with a smart platen so as to produce an input image;

generating bin lists with greater than three edge points therein for the input image data produced in the scanning step;

detecting a boundary of a first image from the bin list;

detecting a boundary of a second image from the bin list;

determining an overlap between the detected boundaries of the first image and second images; and,

modeling a third image from the calculated overlap of the first and second images wherein the third image contains at least said first and second images and represents a depiction of said first and second images without an overlap between said first and second images.

2. (Original) The method according to claim 1, comprising:

wherein the step of determining an overlap of the first and second images uses a maximum threshold value in at least an X-axial direction for the first and second images.

3. (Previously Presented) The method according to **claim 1**, comprising:

wherein the step of determining an overlap of the first and second images uses a minimum threshold value in at least an X-axial direction for the first and second images.

4. (Original) The method according claim 1, comprising:

wherein the step of determining an overlap of the first and second images further comprises:

determining a maximum threshold value in at least an X-axial direction for the first and second images,

determining a minimum threshold value in at least an X-axial direction for the first and second images, and

comparing the maximum and minimum values of the first and second images in a manner so as to ascertain an overlap between the first and second images.

5. (Original) The method according to claim 4,comprising:

wherein the step of comparing includes further at least determining if a minimum threshold value in the X-axial direction of the first image is greater than a maximum threshold value in the X-axial direction of the second image.

6. (Original) The method according to claim 4, comprising:

wherein the step of comparing includes further at least determining if a maximum threshold value in the X-axial direction of the first image is greater than a minimum threshold value in the X-axial direction of the second image.

7. (Cancelled)

8. (Original) The method according to claim 1, comprising:

wherein the step of determining an overlap of the first and second images further comprises:

comparing a maximum value in the y-axial direction of the first image with a minimum value in the y-axial direction of the second image, and

comparing a minimum value in the y-axial direction of the first image with a maximum value in the y-axial direction of the second image.

9. (Currently Amended) A method for processing multiple structured images using an imaging input device with a smart platen so as to reduce bleeding of contour edges of multiple digital images arranged upon the smart platen by generating an object defined by contour edges of particular sets of the multiple digital images, comprising:

arranging multiple objects upon the imaging input device with a smart platen for scanning;

scanning the multiple objects with the imaging input device with a smart platen so as to produce an input image;

generating bin lists with greater than three edge points therein for the input image data produced in the scanning step;

detecting a set of edges of a first object from the bin list;

detecting a set of edges of a second object from the bin list;

determining an overlap between the detected set of edges of the first and second objects;

calculating the overlap between the set of edges of the first and second objects; and,

modeling a third object by ascertaining the calculated overlap of the first and second objects wherein the third object contains at least said first and second objects without an overlap of the set of edges of the first and second objects.

10. (Original) The method according to claim 9, comprising:

wherein the step of determining an overlap of the first and second objects uses a maximum threshold value in a horizontal direction of the set of edges of the first and second objects.

11. (Original) The method according to claim 9, comprising:

wherein the step of determining an overlap of the first and second objects uses a minimum threshold value in a horizontal direction of the set of edges of the first and second objects.

12. (Original) The method according claim 9, comprising:

wherein the step of determining an overlap of the set of edges of the first and second objects further comprises:

determining a maximum threshold value in at least a horizontal direction of the set of edges of the first and second objects,

determining a minimum threshold value in at least a horizontal direction of the set of edges of the first and second objects, and

comparing the maximum and minimum values of the set of edges of the first and second objects in a manner so as to determine if there is an overlap of the set of edges between the first and second objects.

13. (Original) The method according to claim 12, comprising:

wherein the step of comparing includes further at least determining if a minimum threshold value in the horizontal axial direction of a particular edge of the first object is greater than a maximum threshold value in the horizontal direction of a particular edge of the second object.

14. (Original) The method according to claim 12, comprising:

wherein the step of comparing includes further at least determining if a maximum threshold value in the horizontal direction of a particular edge of the first object is greater than a minimum threshold value in the horizontal direction of a particular edge of the second object.

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15. (Cancelled)

16. (Original) The method according to claim 9, comprising:

wherein the step of determining an overlap of set of edges of the first and second objects further comprises:

comparing a maximum value in the vertical direction of the set of edges of the first object with a minimum value in the vertical direction of the set of edges of the second object, and

comparing a minimum value in the vertical direction of the set of edges of the first object with a maximum value in the vertical direction of the set of edges of the second object.